Installing a Purged Packed Inlet

Agilent 6850 Gas Chromatograph

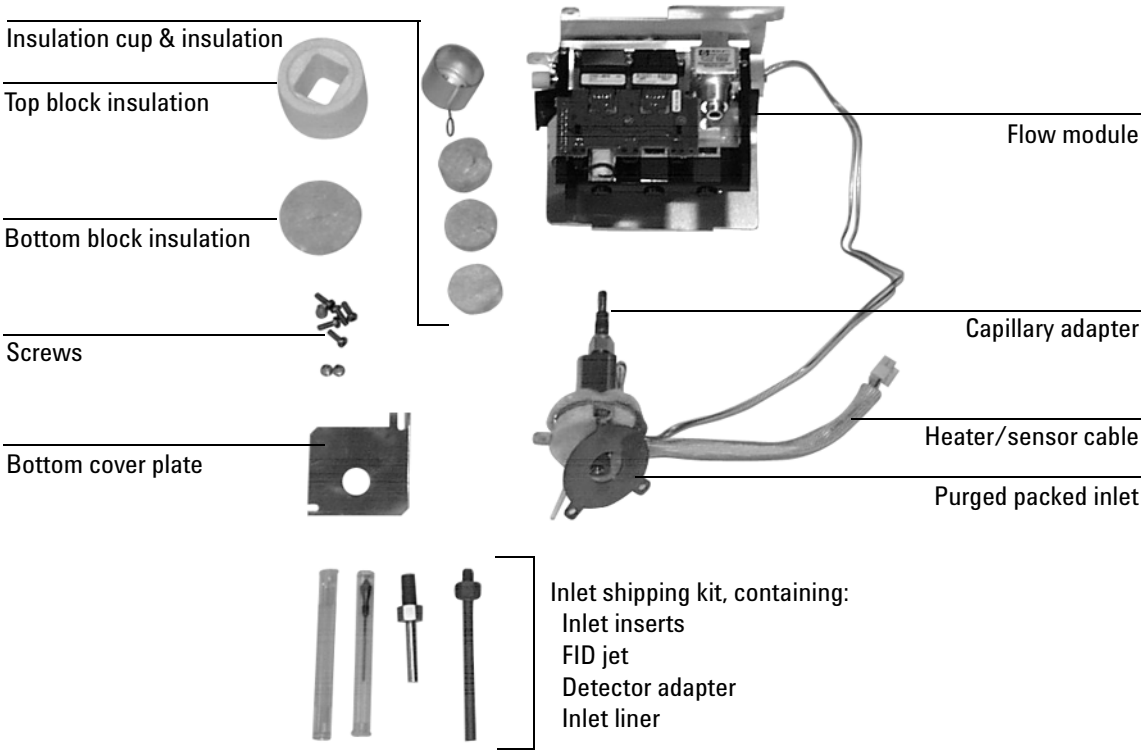
Accessory G2651A

This kit contains:

Description	Quantity
Purged packed column inlet system	1
Top block insulation	1
Bottom block insulation	1
Insulation cup	1
Top cup insulation	1
Bottom cup insulation	1
Bottom cover plate	1
Screw, M4 x 8 mm, Torx T-20	2
Wrist strap, disposable, large	1
Installation sheet (this document)	1

The purged packed inlet and flow module are a factory-assembled and leak-tested unit. Do not disassemble the unit during installation.

Agilent Technologies



Tools Required

Torx™ T-10 driver

Torx T-20 driver

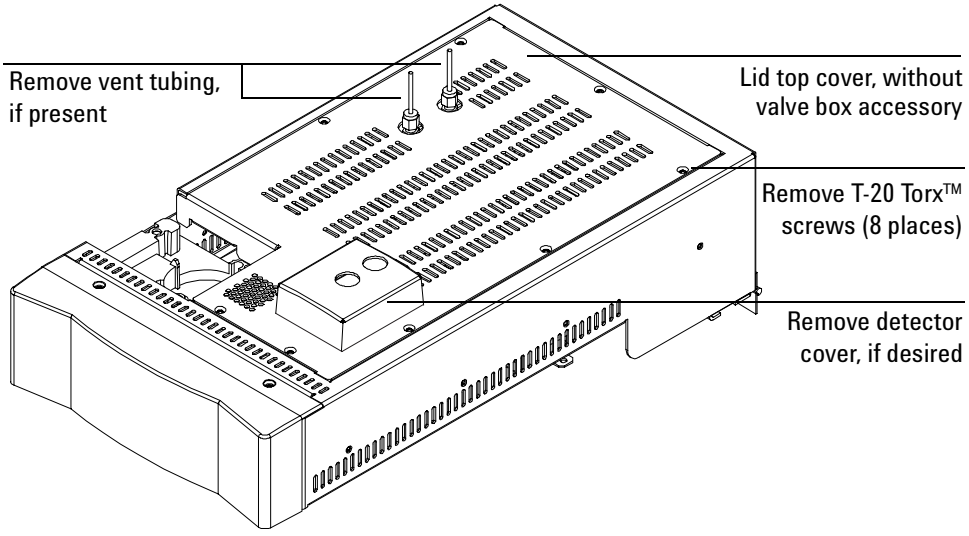
Open end wrenches

Safety Information

Before continuing, read the safety information on your *Agilent 6850 Gas Chromatograph User Information* CD-ROM.

WARNING Before proceeding, turn off the oven and any heated zones and let them cool down. Turn off all gases at their source, then turn off the main power switch and unplug the power cord.

Remove the Lid Top Cover

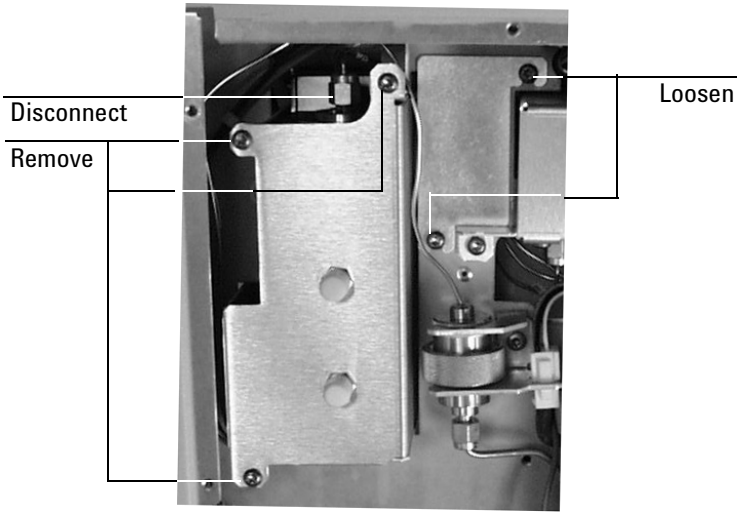

Remove vent tubing, if present
Lid top cover, without valve box accessory
Remove T-20 Torx™ screws (8 places)
Remove detector cover, if desired

Remove the Existing Inlet

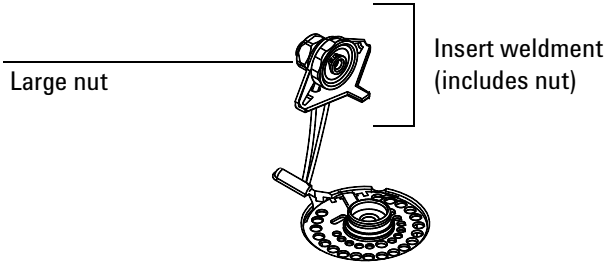
Removing a Split/Splitless Inlet

1. Open the lid. Disconnect the column from the inlet.
2. Remove the insulation cup and insulation.

3. Loosen the screws holding the connector cover plate next to the inlet flow module.



4. Slide the plate off and disconnect the cable from the flow module.
5. Disconnect the gas fitting on the back of the flow module.
6. Remove the three screws on top of the flow module.
7. Use the inlet wrench to release the large nut on top of the inlet.

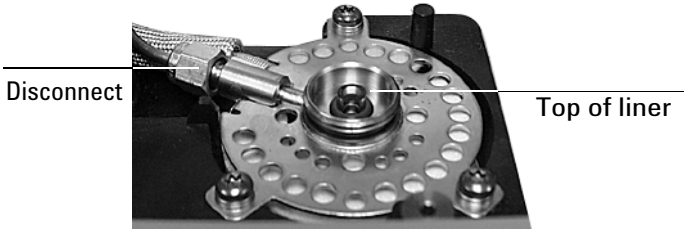


8. **If you *do not* have a gas or liquid sample valve**—Remove the insert weldment and the flow module.

   If you *do* have a gas or liquid sample valve—The insert weldment is part of the valve assembly. Move it out of the way. Disconnect the gang

block fitting, which is also part of the valve assembly, from the flow module. Remove the flow module.

9. Use forceps to remove the liner and O-ring.
10. Disconnect the split vent trap.

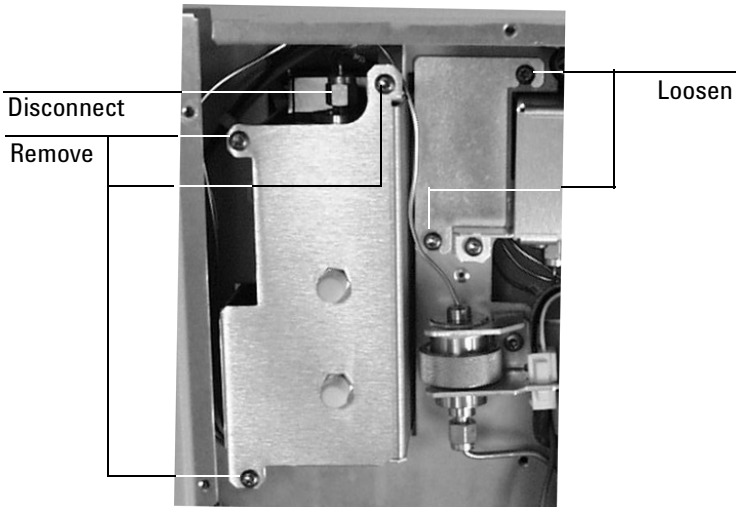


11. Trace the heater/sensor cable to the wiring harness connector. Disconnect it.
12. Remove the three screws holding the inlet body.
13. Lift the inlet assembly out of the lid. Remove the insulation in the hole under the inlet.

Removing a Purged Packed Inlet

1. Open the lid. Disconnect the column from the inlet.
2. Remove the insulation cup and insulation. Remove the bottom cover plate.
3. Close the lid.

4. Loosen the screws holding the connector cover plate next to the inlet flow module.



5. Slide the cover plate off and disconnect the cable from the flow module.
6. Disconnect the gas fitting on the rear of the flow module.
7. Remove the three screws on top of the flow module.
8. Trace the heater/sensor cable from the inlet to the wiring harness connector. Disconnect it.
9. Remove the three screws holding the inlet.
10. Lift the inlet and flow module out of the lid. Remove the insulation in the hole under the inlet.

Installing the Purged Packed Inlet

1. Place the bottom block insulation in the inlet hole.
2. Place the top block insulation in the hole. Align the long sides of the hole parallel to the sides of the lid.
3. Place the flow module in position. Secure it with three screws.
4. Lower the inlet into the block insulation. Secure the inlet with three screws.
5. Plug the flow module cable into its connector. Replace the connector cover plate and tighten the screws.

6. Connect the carrier supply line to the back of the flow module.
7. Connect the heater/sensor cable to the wiring harness.

Finishing Up

1. Discard the center plug in the bottom block insulation. Inside the oven, push the remaining ring over the bottom of the inlet. Force it up until the bottom cover plate can rest flush with the oven top. Secure the cover plate with two screws.
2. Install the cup insulation and the cup. Restore the column connection.
3. Restore carrier and other gases to the instrument.
4. Restore power.
5. Apply your normal operating pressures. Leak-check the flow module, back panel, and column fittings.

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2850 Centerville Road
Wilmington, DE 19808-1610
Printed in USA DEC 2000

G2651-90107